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PCT	To:		
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ETATS-UNIS D'AMERIQUE		
Date of mailing: 06 February 1997 (06.02.97)	in its capacity as elected Office		
International application No.: PCT/DK96/00302	Applicant's or agent's file reference: 95 01 017 285		
International filing date: 04 July 1996 (04.07.96)	Priority date: 15 July 1995 (15.07.95)		
Applicant: PLOUG, Ole et al			
The designated Office is hereby notified of its election made in the demand filed with the International preliminary 30 January 19 in a notice effecting later election filed with the International preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice effecting later election filed with the International Preliminary in a notice election filed with the International Preliminary in a notice election filed with the International Prelimin	y Examining Authority on: 97 (30.01.97) national Bureau on: date or, where Rule 32 applies, within the time limit under		
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer: J. Zahra Telephone No.: (41,23) 730 91 11		

INTERNATIONAL SEARCH REPORT

International application No. PCT/DK 96/00302

A. CLASSIFICATION OF SUBJECT MATTER					
IPC6: F04B 1/20 // F03C 1/06 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by	y classification symbols)				
IPC6: F04B, F03C					
Documentation searched other than minimum documentation to the SE,DK,FI,NO classes as above	e extent that such documents are included in the neids searched				
Electronic data base consulted during the international search (name	of data base and where practicable search terms used)				
pace one data base consumed during the meritadorial action (manie	. St data size and, where practically, search terms does,				
WPI CLAIMS					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category* Citation of document, with indication, where ap	propriate, of the relevant passages Relevant to claim No				
A DE 3728448 C2 (SACHSENHYDRAULIK 27 May 1992 (27.05.92)	GMBH CHEMNITZ),				
	·				
Further documents are listed in the continuation of Bo	x C. X See patent family annex.				
 Special categories of cited documents: "A" document defining the general state of the art which is not considered 	"T" later document published after the international filing date or prior date and not in conflict with the application but cited to understant the principle or theory underlying the invention				
to be of particular relevance "E" ertier document but published on or after the international filing date	"X" document of particular relevance: the claimed invention cannot be				
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other	considered novel or cannot be considered to involve an inventive step when the document is taken alone				
special reason (as specified) "Y" document of particular relevance: the claimed inve considered to involve an inventive step when the d					
"P" document published prior to the international filing date but later than the priority date claimed	being obvious to a person skilled in the art				
Date of the actual completion of the international search	Date of mailing of the international search report 0 6 -11- 1996				
25 October 1996					
Name and mailing address of the ISA/	Authorized officer				
Swedish Patent Office					
Box 5055, S-102 42 STOCKHOLM Faccinite No. +46.8 666.02 86	Sune Söderling Telephone No. +46.8.782.25.00				
ESPECIMENO TANA DONULA XO	1 LEIEDBORE (NO. THO & /&/ /> UU				



Information on patent family members

01/10/96

International application No.

			01/10/96	PCI/DK	96/00302
Patent of cited in se	document earch report	Publication date	Patent family member(s)		Publication date
DE-C2-	3728448	27/05/92	NONE		
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT.

PCT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 95 01 017 285	FOR FURTHER ACTIO		fication of Transmittal of International Examination Report (Form PCT/IPEA/416)		
International application No.	International filing date (da	y/month/year)	Priority date (day/month/year)		
PCT/DK96/00302	04.07.1996		15.07.1995		
International Patent Classification (IPC) of F04B 1/20	or national classification and	PC6			
Applicant					
Danfoss A/S et al					
Authority and is transmitted to the constant of a total. This report is also accompanies amended and are the case Rule 70.16 and Section. These annexes consist of a total of the constant of a total of the constant of a total of the constant of the report. Basis of the report. Priority	of 3 sheets, i anied by ANNEXES, i.e., sheats for this report and/or so to 607 of the Administrative sheets. The applicant according to Art sheets, i anied by ANNEXES, i.e., sheats in 607 of the Administrative sheets.	ncluding this coverests of the descriptheets containing Instructions under	otion, claims and/or drawings which have rectifications made before this Authority		
IV Lack of unity of inve		i	Control of the state of the sta		
citations and explan	ations supporting such state	gard to novelty, in ment	ventive step or industrial applicability;		
<u>. </u>					
VII Certain defects in the international application					
VIII Certain observation	s on the international applic	ation			
Date of submission of the demand		Date of completion	n of this report		
30.01.1997		16.10.199	7		
Name and mailing address of the IPEA/S Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Faccimits No. 08-667, 72, 88	Telex 17978 PATOREG-S	Authorized officer Sune Söde Telephone No. 08			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/DK96/00302

1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filled" and are not annessed to the report since they do not contain amendments.)! the international application as originally filled, pages	I. Basis of the report		
the description, pages, as originally filed, pages, filed with the demand, pages, filed with the letter of pages, filed with the letter of, as originally filed, Nos, as amended under Article 19, Nos, filed with the demand, Nos, filed with the letter of, nos, filed with the letter of, as originally filed,, sheets/fig, as originally filed,, filed with the letter of, filed with the demand	1. This report has been drawn of under Article 14 are referred to it	on the basis of (Replacement sh n this report as "originally filed"	neets which have been furnished to the receiving Office in response to an invitation " and are not annexed to the report since they do not contain amendments.):
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pages	the description,	. pages	, as originally filed,
pages			
the claims, Nos, as originally filed, Nos, as amended under Article 19, Nos, filed with the demand, Nos, filed with the letter of, Nos, filed with the letter of, Nos, filed with the letter of, Nos, filed with the demand, sheets/fig, filed with the demand, sheets/fig, filed with the letter of, filed with the letter of, heets/fig, filed with the letter of, the description, pages, the claims, Nos:, the drawings, sheets/fig, This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the supplemental Box (Rule 70.2(c)).			
Nos, as amended under Article 19, Nos, filed with the demand, Nos, filed with the letter of, Nos, filed with the letter of, Nos, filed with the letter of, sheets/fig, as originally filed, sheets/fig, filed with the demand sheets/fig, filed with the letter of, sheets/fig, filed with the letter of, the description, pages the claims, Nos: the drawings, sheets/fig This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the supplemental Box (Rule 70.2(c)).		pages	, filed with the letter of
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2. The amendments have resulted in the cancellation of: the description, pages the claims, Nos: the drawings, sheets/fig This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the supplemental Box (Rule 70.2(c)).			
the description, pages the claims, Nos: the drawings, sheets/fig This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the supplemental Box (Rule 70.2(c)).		sheets/fig	, filed with the letter of
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	go beyond the disclos	sure as filed, as indicated in	he amendments had not been made, since they have been considered to the supplemental Box (Rule 70.2(c)).
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/DK96/00302

V.	. Resoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement				
	Novelty (N)	Claims	1-16	_ YES	
	11010229 (2.1)	Claims		_ NO	
	(10)	Claire.	1_16	YES	
	Inventive step (IS)	Claims Claims	1-16	NO	
	Industrial applicability (IA)	Claims	1-16	YES	
		Claims		NO	

2. Citations and explanations

The invention relates to an axial piston micropump having a cylinder drum, in which several cylinders are provided, and a swash plate, with respect to which the cylinder drum is rotatable.

The purpose of the invention is to provide a micropump of the axial piston type which combines great accuracy with a small displacement and a long service life.

This purpose is achieved, as stated in the characterising part of claim 1, in that at least two cylinders are provided, of which at least one is in the form of a working cylinder which has an associated working piston, whilst at least one cylinder is in the form of a balance cylinder and has an associated balance piston.

The axial piston micropump according to claim 1 differs from prior art disclosed in the cited DE,C2, 3 728 448, by the features stated in the characterising part. Claim 1 therefore fulfils the requirements of novelty according to Article 33(2)...

It is not considered obvious to a person skilled in the art to use knowledge, disclosed in the cited document, and thus arrive at an axial piston micropump with the features stated in claim 1. Claim 1 therefore fulfils the requirements of inventive step according to Article 33(3).

Claim 1 also defines an axial piston micropump which is industrially applicable and therefore fulfils the requirements stated in Article 33(4).

Dependent claims 2-16 disclose further features of the invention according to claim 1.